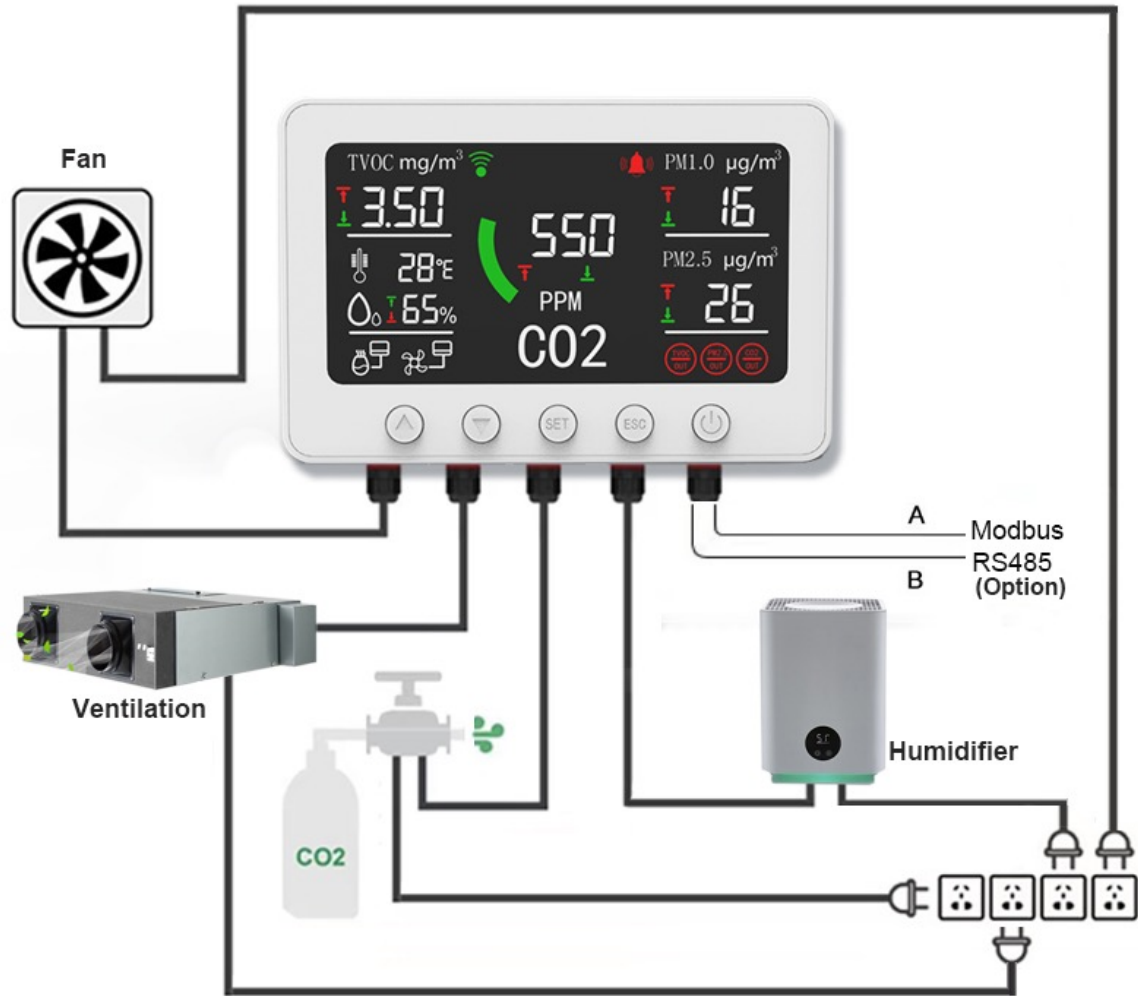
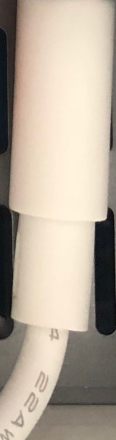


PT02 RS485/Relays Wiring Instructions

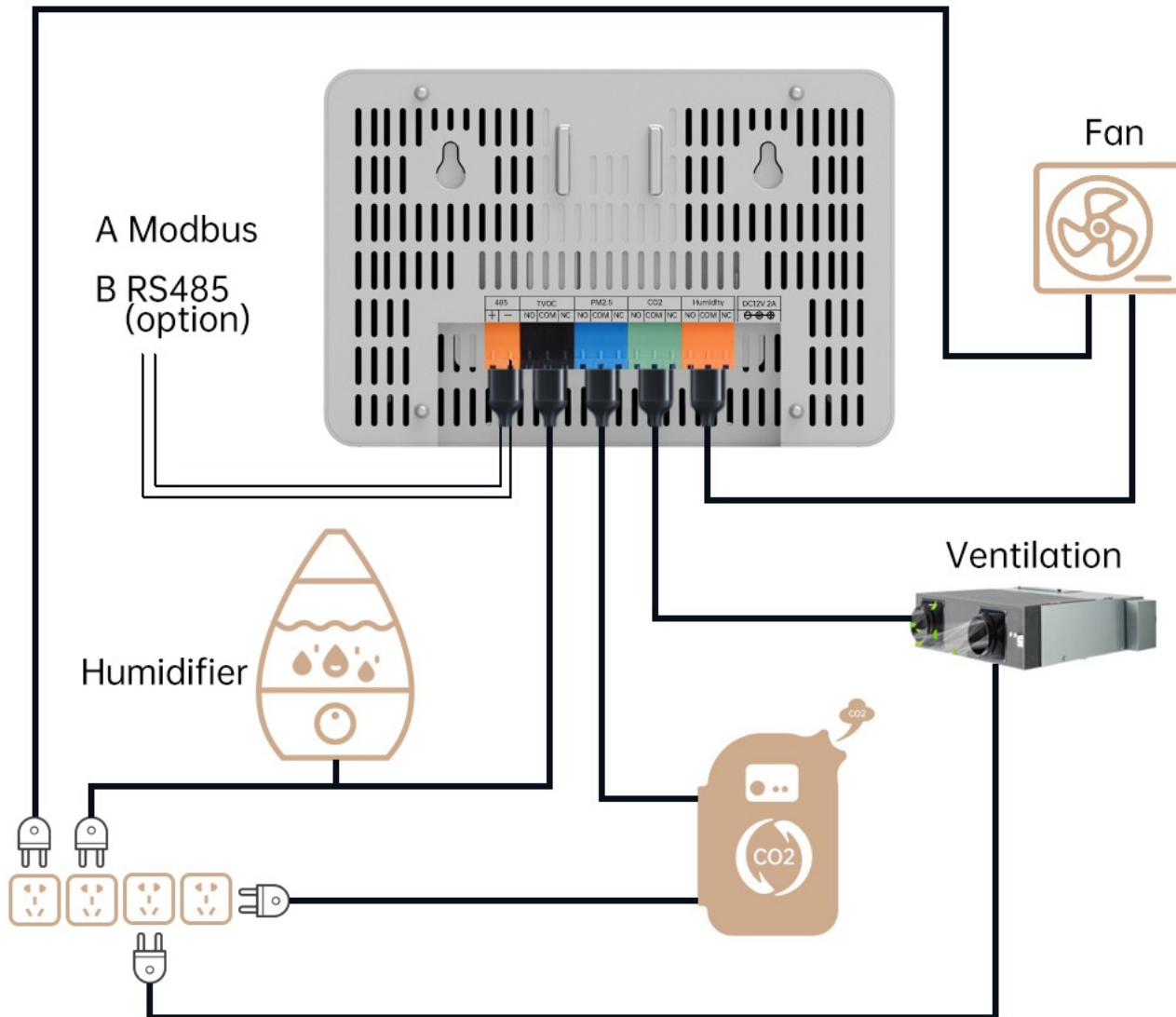
Relays/RS485 Signal Output & Controller



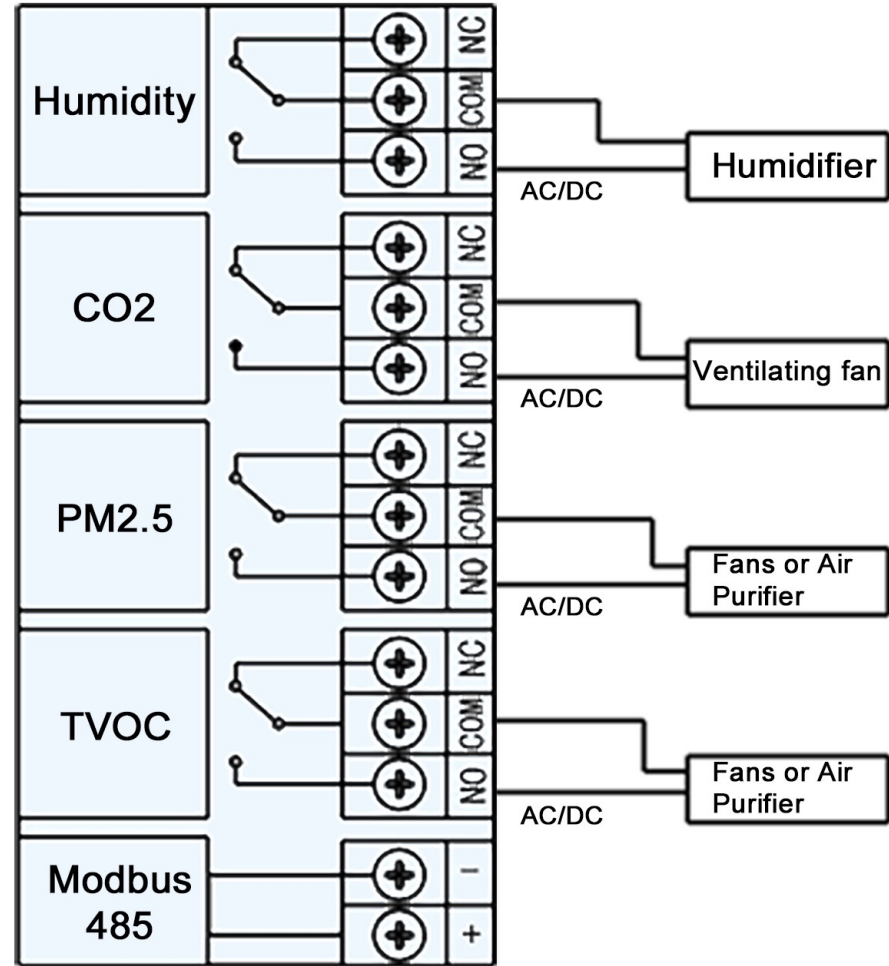
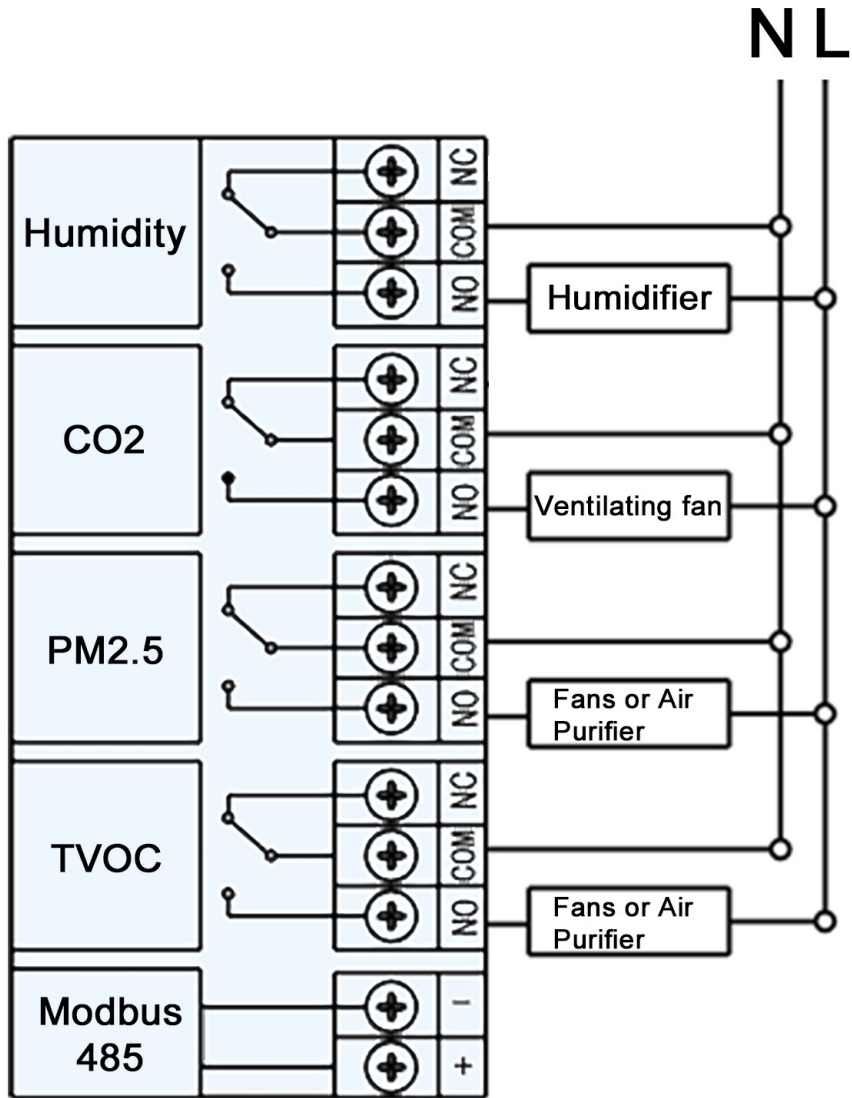
485		TVOC			PM2.5			CO2			Humidity			DC12V 2A	
+	-	NO	COM	NC	NO	COM	NC	NO	COM	NC	NO	COM	NC	⊖	⊕



You can connect devices in your home via the Relays signal output



AC85v-240v
50Hz-60Hz 5A



Always Be Careful to Wire Electricity Lines



How to connect PT02 Air Quality Monitor to Tuya app?



Download "Smart Tuya" or "Smart life" from your app store

Device Operation

- Long press the Power button. When the device is powered On, the Wi-Fi function will automatically turn on (The Wi-Fi icon starts blinking). At this time, you can open the Tuya app to connect.
- If there is no connection within two minutes, Wi-Fi will automatically shut down.
- Rapidly press the Power button three times in a row, Wi-Fi will turn on, and you can try to connect. Rapidly press the Power button three times again, Wi-Fi will turn off.
- If you want to connect to another phone or reset the connection, just reset the device by rapidly pressing the power button five times in a row and waiting for 5-10 seconds until the Wi-Fi icon flashes to start the new connection process.
- Invite your family members to join your Smart Home. Or share the device with multiple users.
- **Remark: Wi-Fi router must be 2.4GHz**

Phone Operation (Air Quality Monitor Connection)

Prado technology +

25°C

Excellent Outdoor PM2.5 Excellent Outdoor Air Qu... 71.0% Outdoor Humid...

All Devices Living Room Master | ...

No devices

Add Device

Home Smart Me

Add Device

Electrical Sensor

Lighting Sensor (BLE+Wi-Fi) Sensor (Wi-Fi) Sensor (Zigbee)

Sensors

Large Home A... Sensor (BLE) Sensor (NB-IoT) Sensor (other)

Small Home A... Alarm

Kitchen Appliances Alarm (Wi-Fi) Alarm (Zigbee) Alarm (BLE)

Exercise & Health

Security & Video Su... Alarm (NB-IoT) Alarm (other)

Gateway Control Motion Detector

Outdoor Travel Motion Detector (Wi-Fi) Motion Detector (Zigbee) Motion Detector (BLE)

Energy

Add Device

Electrical Formaldehyde Detector (other)

Lighting CO2 Alarm

Sensors CO2 CO2 CO2

Large Home A... CO2 Detector (other) CO2 Detector (BLE+Wi-Fi) CO2 Detector (BLE)

Small Home A... CO2 CO2 Detector (Zigbee)

Kitchen Appliances

Exercise & Health Vibration Sensor

Security & Video Su... Vibration Sensor (Zigbee) Vibration Sensor (other)

Gateway Control

Outdoor Travel Pressure Sensor

Energy Pressure Sensor (Wi-Fi) Pressure Sensor (NB-IoT) Pressure Sensor (other)

Add Device

Electrical Formaldehyde Detector (other)

Lighting CO2 Alarm

Sensors CO2 CO2 CO2

Large Home A... CO2 Detector (other) CO2 Detector (BLE+Wi-Fi) CO2 Detector (BLE)

No Gateway Available
Before adding the device, configure the gateway.

Cancel **Configure**

Exercise & Health Vibration Sensor

Security & Video Su... Vibration Sensor (Zigbee) Vibration Sensor (other)

Gateway Control

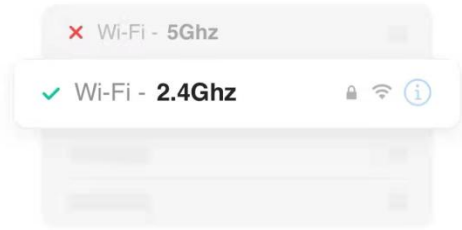
Outdoor Travel Pressure Sensor

Energy Pressure Sensor (Wi-Fi) Pressure Sensor (NB-IoT) Pressure Sensor (other)

Cancel

Select 2.4 GHz Wi-Fi Network and enter password.

If your Wi-Fi is 5GHz, please set it to be 2.4GHz. [Common router setting method](#)



ChinaNet-7eGm

.....

Next

Note:

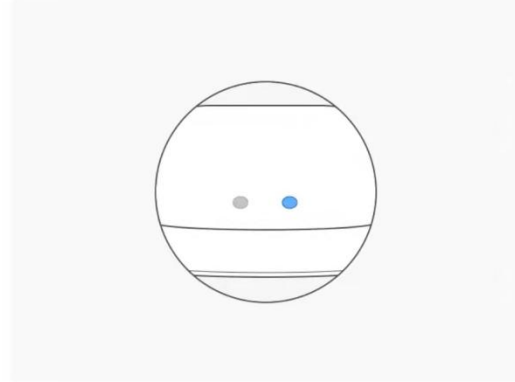
WiFi router must be 2.4GHz.

Cancel

EZ Mode ⇌

Reset the device first.

Power on the device, make sure the blue light is on and the red light is blinking.



Perform net pairing as prompted. >

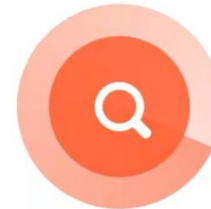
Confirm the indicator is blinking rapidly.

Next

Cancel

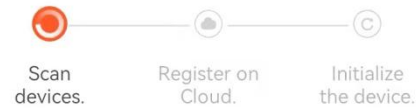
Adding device...

Ensure that the device is powered on.



01:57

Wait a few seconds.



Done

Added successfully



Air Quality Monitor ✎

Device added successfully

Living Room

Master Bedroom

Second Bedroom

Dining Room

Kitchen

Study Room

Set Alarm Value

Air Quality Monitor

Air quality

TVOC	CO2	PM1.0
0.00mg/m ³	770ppm	5μg/m ³
TEMP	Humidity	PM2.5
24.6°C	48.7%	6μg/m ³

CO2 TVOC PM2.5 PM1.0

480
450
420
390

00:00 07:00 14:00

Device alarm

2021/11/22 14:32:34 CO2 alarm

Record Smart **Set**

Setting

TVOC alarm threshold 6.00mg/m³ TVOC alarm shutdown Thre... 3.00mg/m³

TVOC CO2 PM2.5 PM1.0

TEMP alarm threshold 38.0°C TEMP alarm shutdown thre... 30.0°C

Temperature Humidity

Alarm Time · 20

1 60

Control open delay >

Control close delay >

Backlight Unmute Temp Convert

Factory Reset

You can adjust the alarm threshold on this setting page.

Setting

CO2 alarm threshold 1750ppm CO2 alarm shutdown thres... 1550ppm

TVOC **CO2** PM2.5 PM1.0

TEMP alarm threshold 1.0°C TEMP alarm shutdown thre... 1.0°C

Temperature Humidity

Alarm Time · 10s

1s 60s

Take Co2 as an example.

CO2 alarm threshold

2350

Cancel **Ok**

Setting

CO2 alarm threshold 2350ppm CO2 alarm shutdown thres... 1550ppm

TVOC **CO2** PM2.5 PM1.0

TEMP alarm threshold 1.0°C TEMP alarm shutdown thre... 1.0°C

Temperature Humidity

Alarm Time · 10s

1s 60s

CO2 alarm shutdown threshold

1100

Cancel **Ok**


How to invite your family member?

Prado technology +

16°C

Excellent Outdoor PM2.5 Excellent Outdoor Air Qu... 83.0% Outdoor Humid...

All Devices Living Room Master | ...

 Air Quality Monitor

Home Smart Me

shelly
86-13437204501

Third-Party Voice Services More >

Alexa Google Assistant SmartThings

Home Management >

Message Center • >

FAQ & Feedback >

Featured >

Home Smart Me

Home Management

My Home .. >

Prado technology >

Create a home

Join a home

Cancel Create a home Save

Home Name * Shelly's home

Location Set >

Fill in a name you want.

Rooms:

Living Room

Master Bedroom

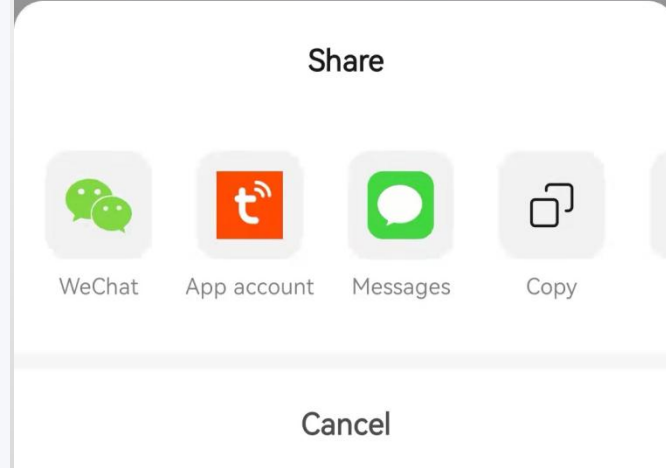
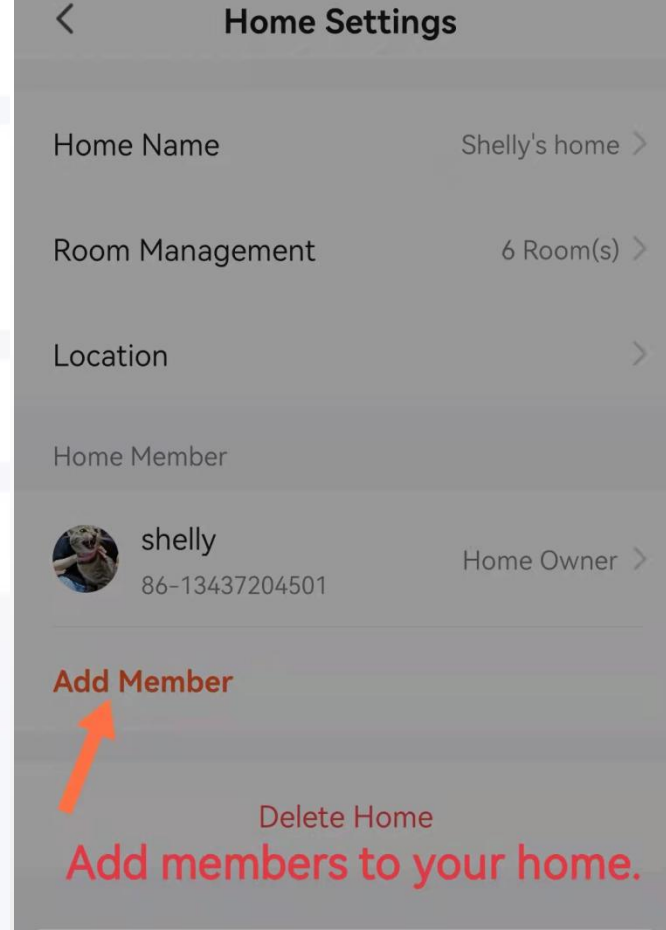
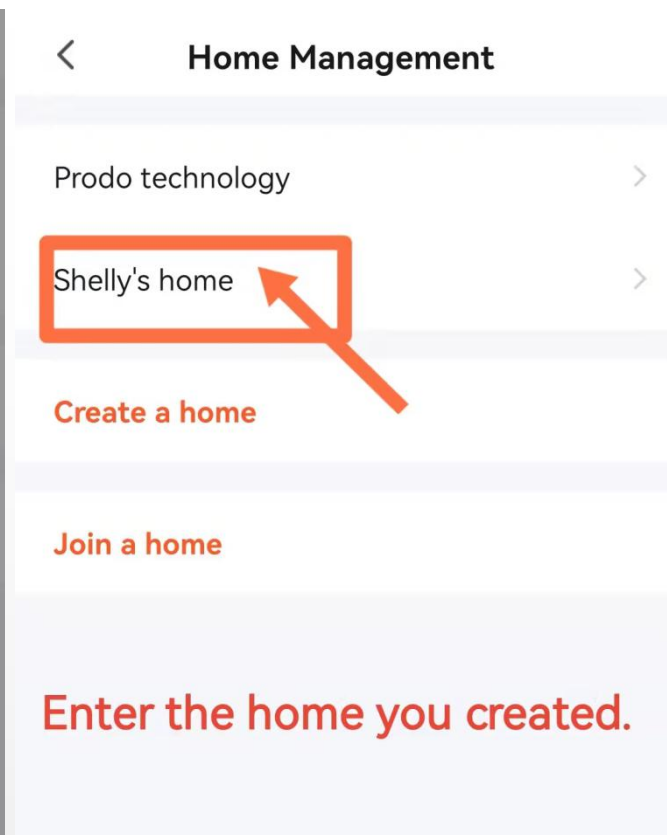
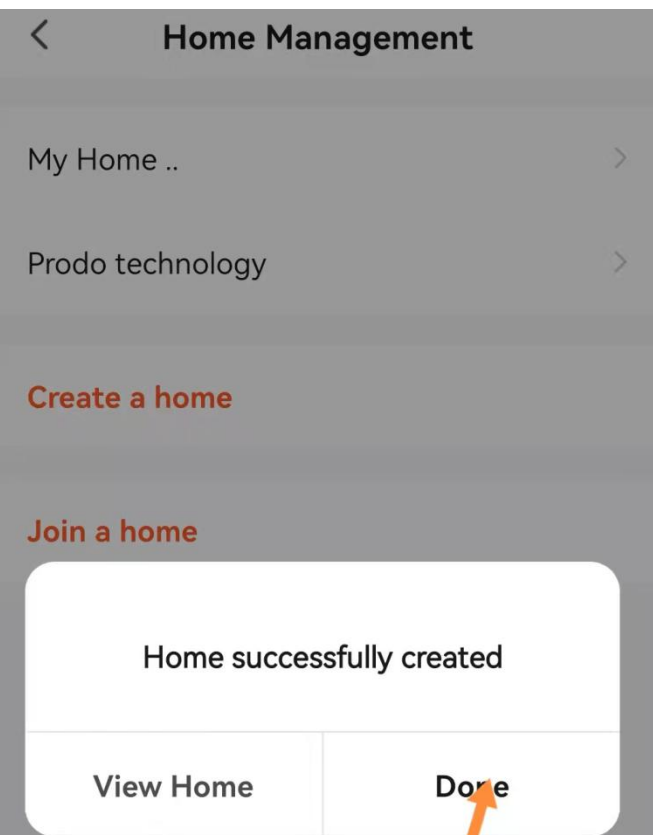
Second Bedroom

Dining Room

Kitchen

Study Room

Add Room



Note:
After creating a home, add a device to the home. You can add multiple devices and share them with your family member automatically.



How to Share the device to your family member directly?

Air Quality Watch

Air quality index

CO2	TVOC	PM1.0
640ppm	0.596mg/m ³	31μg/m ³
Temperature	Humidity	PM2.5
29.4°C	33.4%	34μg/m ³

CO2 VOC PM2.5 PM1.0

00:00 08:00 16:00

Device alarm

- 2021/11/15 15:54:46 PM1.0 alarm

Record Smart Set

Air Quality Watch

- Device Information
- Tap-to-Run and Automation
- Device Review
- Device Offline Notification
- Offline Notification
- Others
- Share Device
- Create Group
- FAQ & Feedback
- Add to home screen
- Check Device Network Check Now
- Device Update No updates available
- Remove Device

Share Device

When the device is not connected to the network, the person with whom you have shared the device may not be able to control the device.

Air Quality Watch has not been shared

Device is not shared, add an account to share it

Add Sharing

Add Sharing

Air Quality Watch

Share with the Account Tuya Smart

Share with Others person(s)

WeChat Messages Copy More

Fill in the number of people you want to share.



What's the difference between "Creat a Home" and "Share device"?

- The "Create a Home" means creating a Home in the App first. You can add multiple devices and members to the Home. The members in your Home can see all the devices. And any new devices added to your Home will automatically be shared with all Home Members. For example, the homeowner added an Air Quality Monitor in the Home at first. The other members can see it. Then the homeowner added a Smart Plug in the Home later, the other members can see it also.
- About the "Share Device": you should add the device to the APP first. Then you go into the device information interface, and tap "Share Device" to share it with other users. If you add another device to the application and want to share it with other users. You should repeat the sharing step.



How to inter-connect PT02 Air Quality Monitor and Smart Plug in the Tuya app?



Download "Smart Tuya" or "Smart life" from your App store

Smart Plug Operation

Smart Plug Blinking Blue:

- If the blue light is flashing rapidly on the Smart Plug (twice per second), that means it is in the connection mode and trying to connect with your Wi-Fi. The light will keep flashing blue until the setup process is complete.
- Once the connection is stable and your Smart Plug is connected over the Wi-Fi, the light will turn on solid blue and you will be able to see the device on your APP.
- If the blue light flashes slowly (once every three seconds), long-press the Power button for 6 seconds until the blue light blinks rapidly.
- Remark: Wi-Fi router must be 2.4GHz


Phone Operation (Smart Plug Connection)

Prodo technology ▾


16°C


Excellent Outdoor PM2.5 Excellent Outdoor Air Qu... 78.0% Outdoor Humid...


All Devices Living Room Master | ...

 **Air Quality Monitor**

Home Smart Me




< Add Device 

 Searching for nearby devices. Make sure your device has entered **pairing mode**.




Turn on Bluetooth 




Add Manually

Electrical

Lighting  Plug (BLE+Wi-Fi)  Socket (Wi-Fi)  Socket (Zigbee)

Sensors

Large Home A...  Socket (BLE)  Socket (NB-IoT)  Socket (other)

Small Home A...  Power Strip (BLE+Wi-Fi)  Power Strip (Wi-Fi)  Power Strip (Zigbee)

Kitchen Appliances

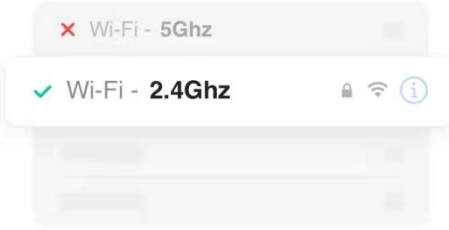
Exercise & Health


Security &



Cancel


Select 2.4 GHz Wi-Fi Network and enter password.

If your Wi-Fi is 5GHz, please set it to be 2.4GHz. [Common router setting method](#)



 ChinaNet-7eGm ⇌




Note:
WiFi router must be 2.4GHz.

Cancel


Adding device...

Ensure that the device is powered on.



01:57

Wait a few seconds.



Scan devices. Register on Cloud. Initialize the device.

Cancel

EZ Mode ⇌

Reset the device



Power on the device after it has been powered off for 10s.

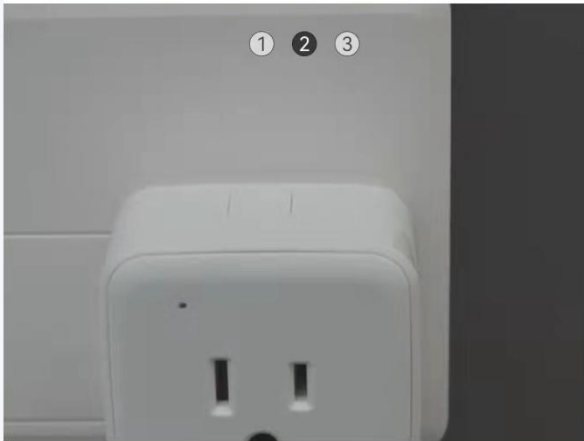
Back

Next

Cancel

EZ Mode ⇌

Reset the device



Press and hold the RESET button for 5s until the indicator blinks.

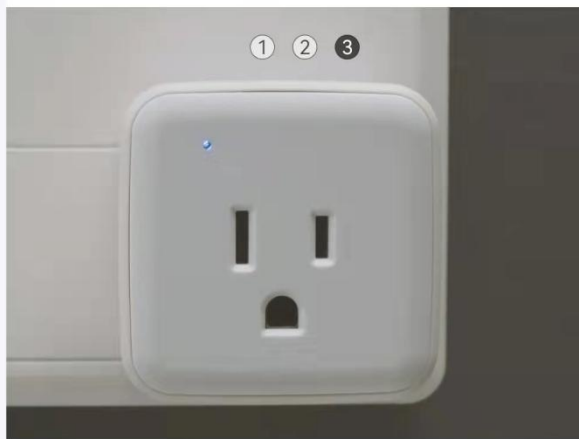
Back

Next

Cancel

EZ Mode ⇌

Reset the device



As shown in the figure, the indicator blinks 3 times per second.



Confirm the indicator is blinking rapidly.

Back

Next

Done



Added successfully



wifi_socket

Device added successfully

Living Room

Master Bedroom

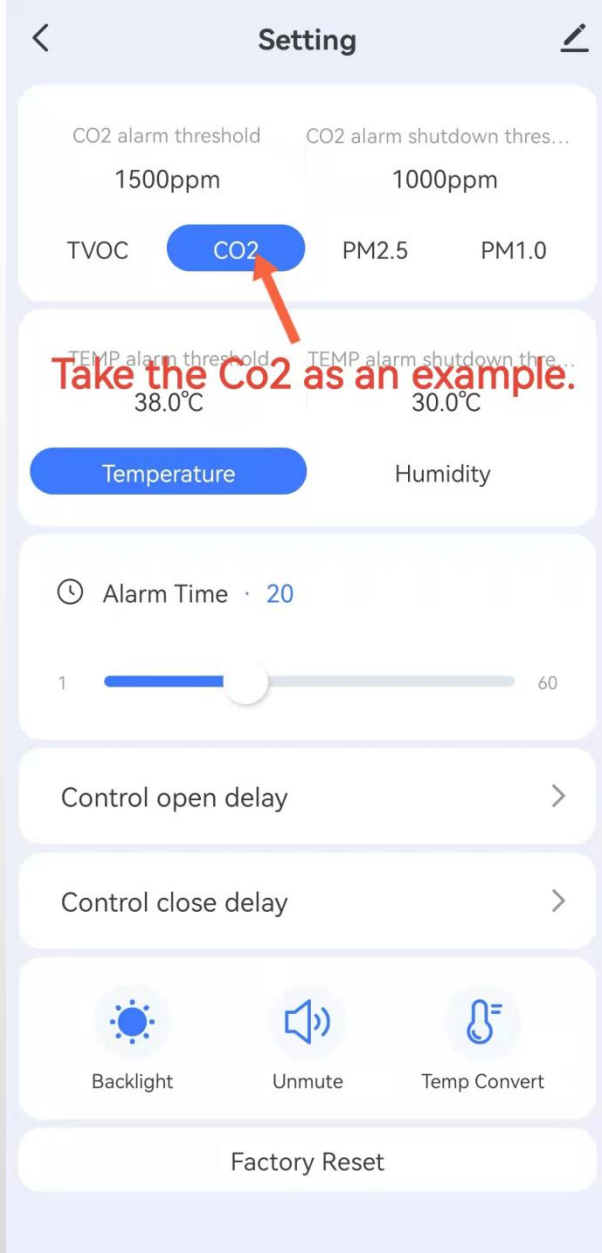
Second Bedroom

Dining Room

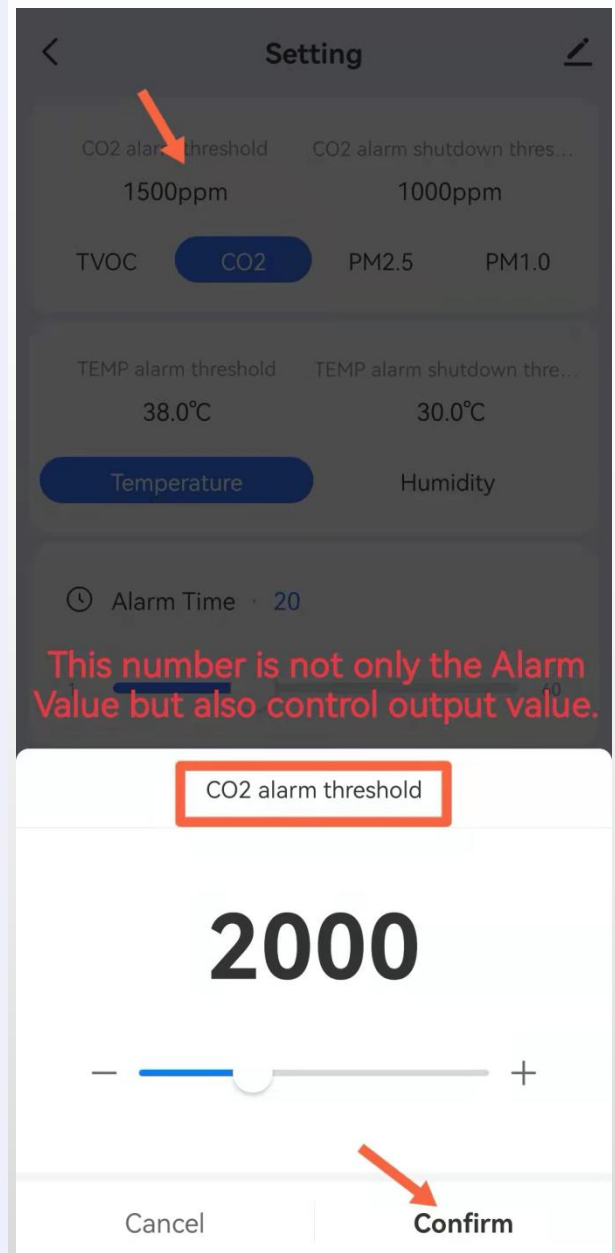
Kitchen

Study Room

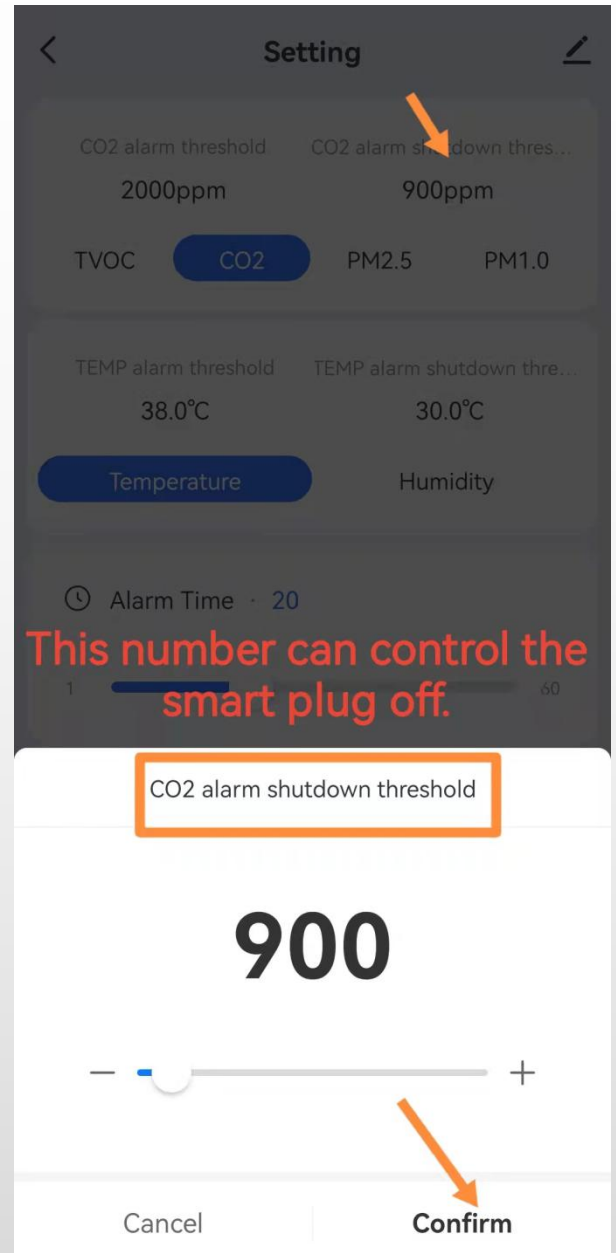
How to create a smart scene for PT02 Air Quality Monitor and Smart Plug in Tuya app?



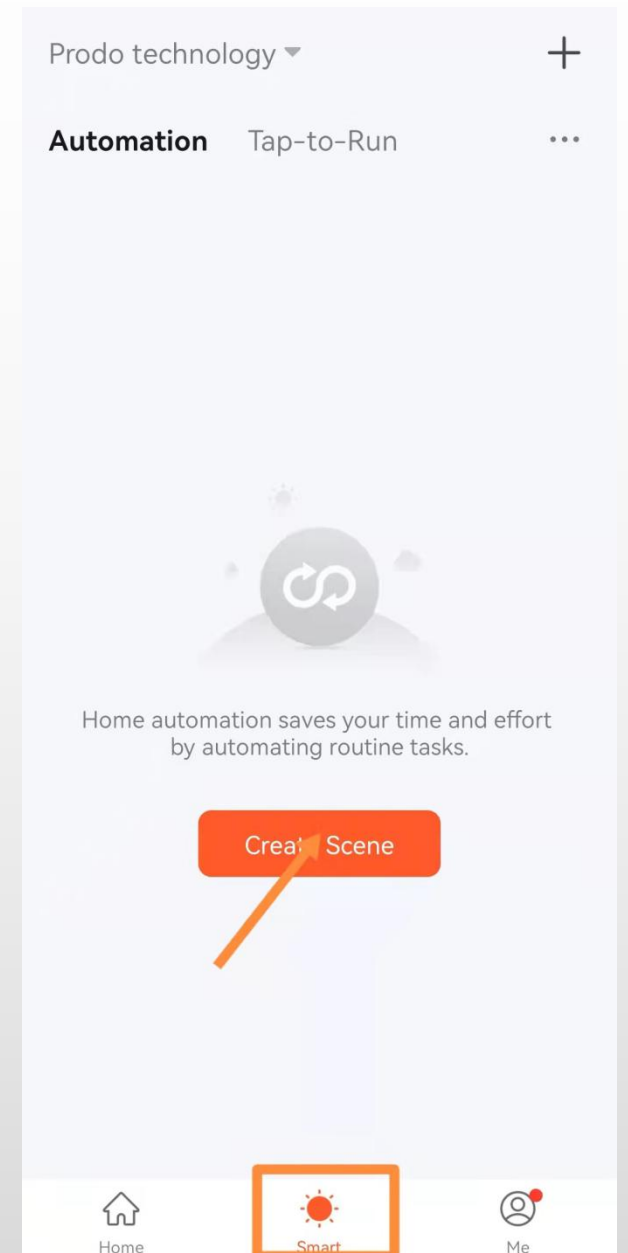
Take the Co2 as an example.



This number is not only the Alarm Value but also control output value.



This number can control the smart plug off.



Create Smart



Set a condition

Set up task

Launch Tap-to-Run >
Example: turn off all lights in the bedroom with one tap.

When weather changes >
Example: when local temperature is greater than 28°C.

Schedule >
Example: 7:00 a.m. every morning.

When device status changes >
Example: when an unusual activity is detected.

Quick Create

All Devices Living Room

wifi_socket >

Air quality monitor >

Select Function

TEMP control output >

CO2 control output >

TVOC control output >

PM2.5 control output >

RH control output >

TEMP >

Humidity >

CO2 >

TVOC >

PM2.5 >

PM1.0 >

Fault Alarm >

Take Co2 output as an example.

CO2 control output

CO2 control output open

CO2 control output closed

< **Create Smart**

control output:CO2 control output open

Set a condition **Set up task**

- ☀️ Run the device >
- 🌅 Select smart scenes >
- 📞 Send notification >
- 🕒 Delay the action >

⬆️ Quick Create

< **All Devices** Living Room |

- wifi_socket >
- Air quality monitor >

< **Select Function** **Next**

Switch 1 >

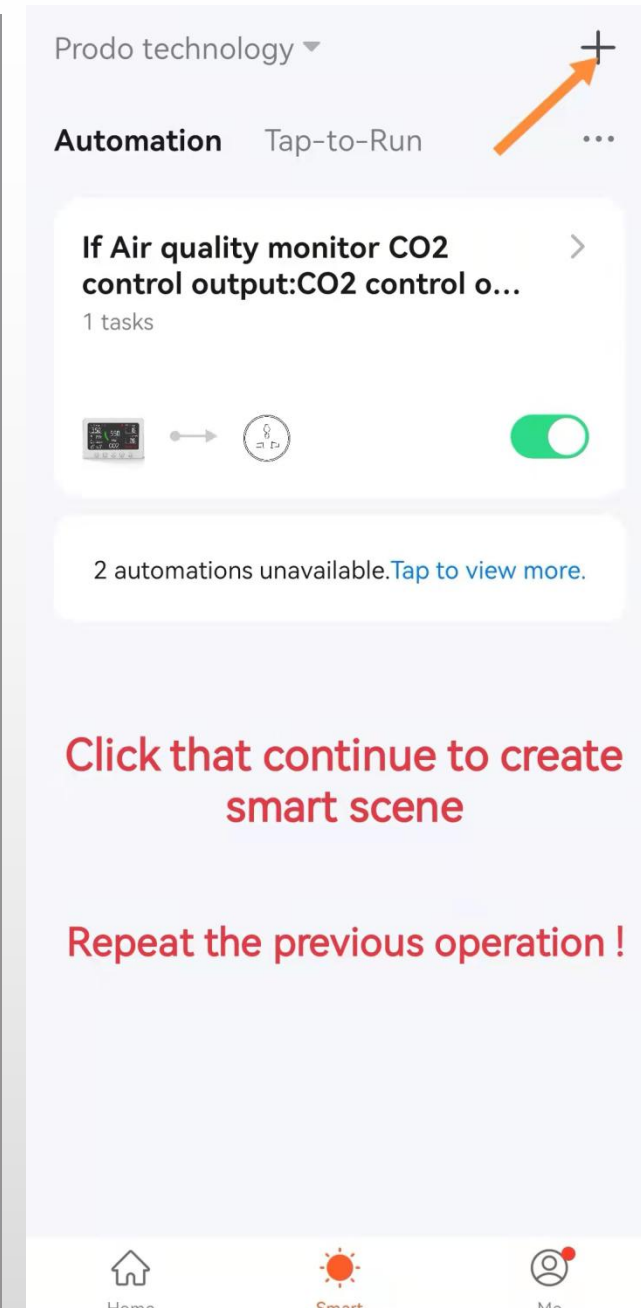
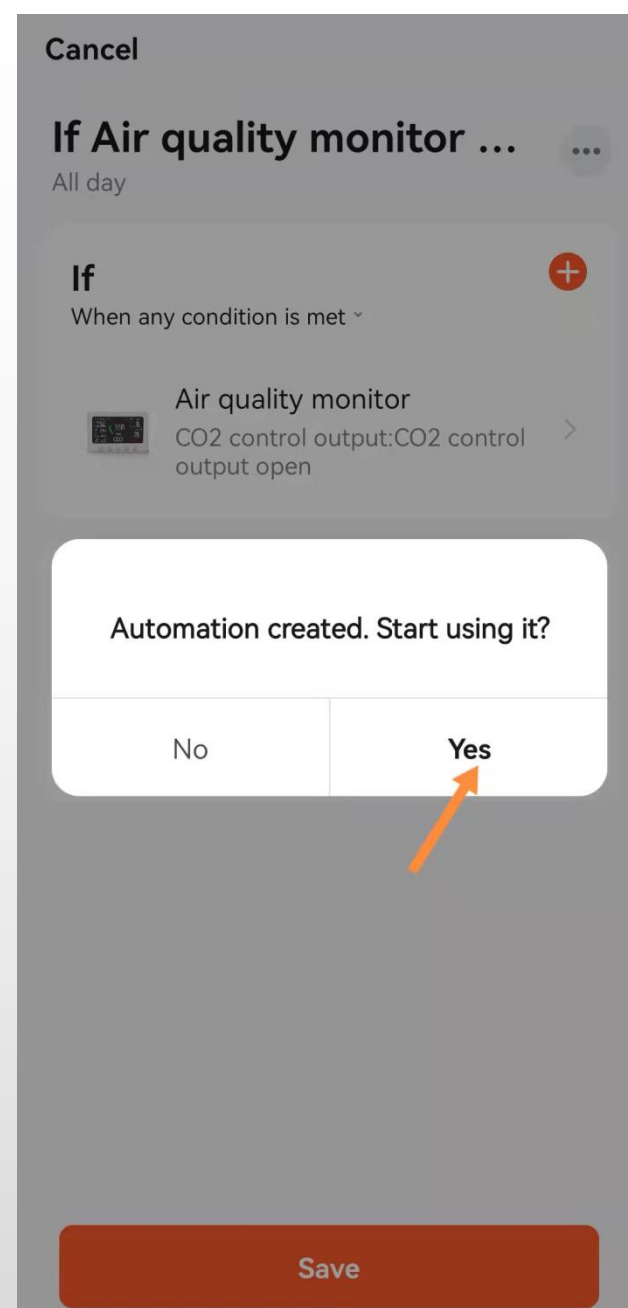
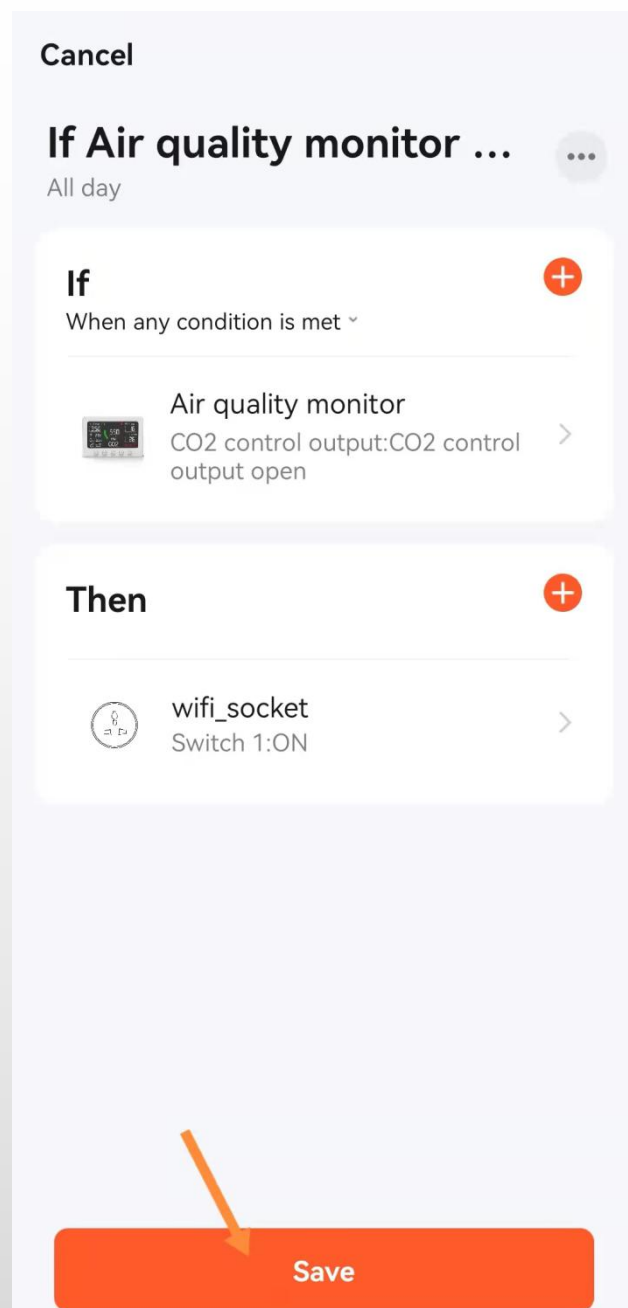
< **Select Function** **Next**

Switch 1

Switch 1

- ON
- OFF
- Reverse Switch

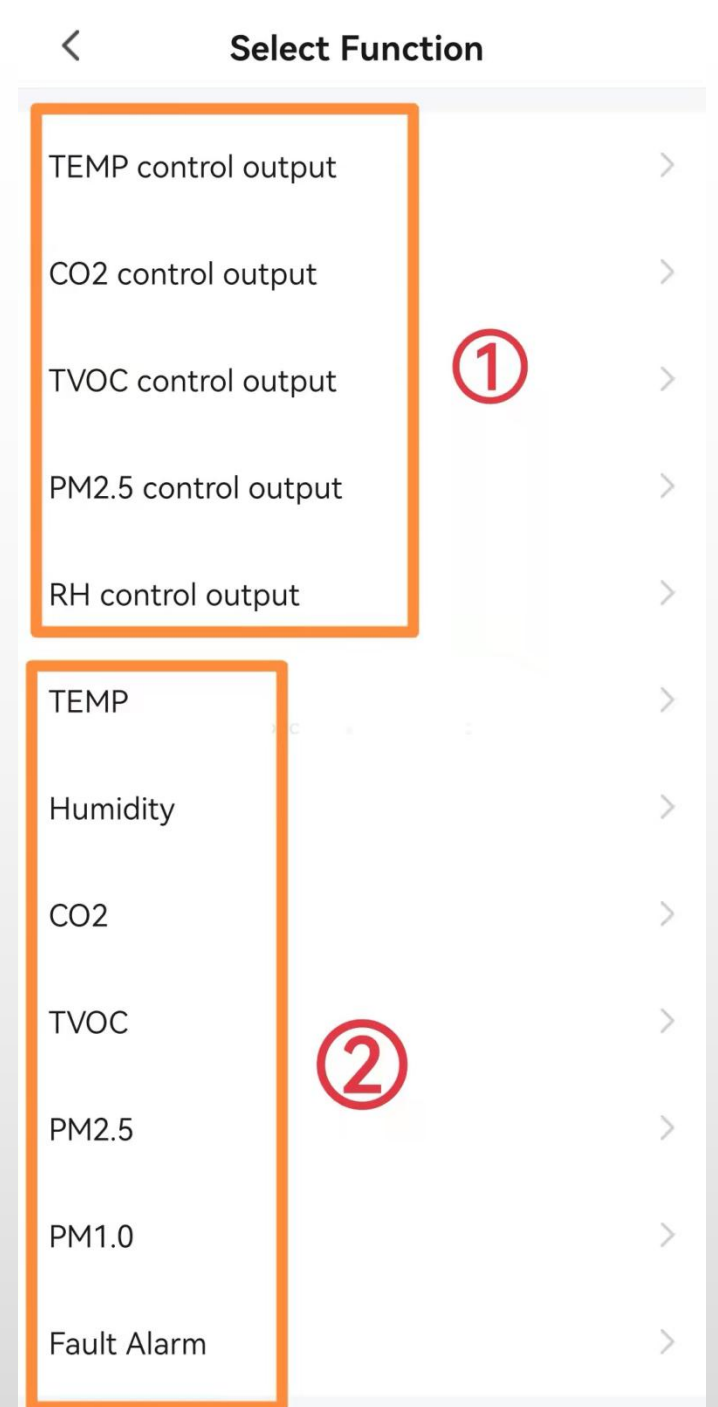
Cancel **Save**



Explanation about ① and ②

① The control output value is the pre-set threshold alarm and alarm-shutdown values. Choose the control output, it will auto control the smart plug for open or close according to the pre-set values.

② You can set the random values according to your demand, but this value is not responding to the alarm or alarm-shutdown value of the device you set.

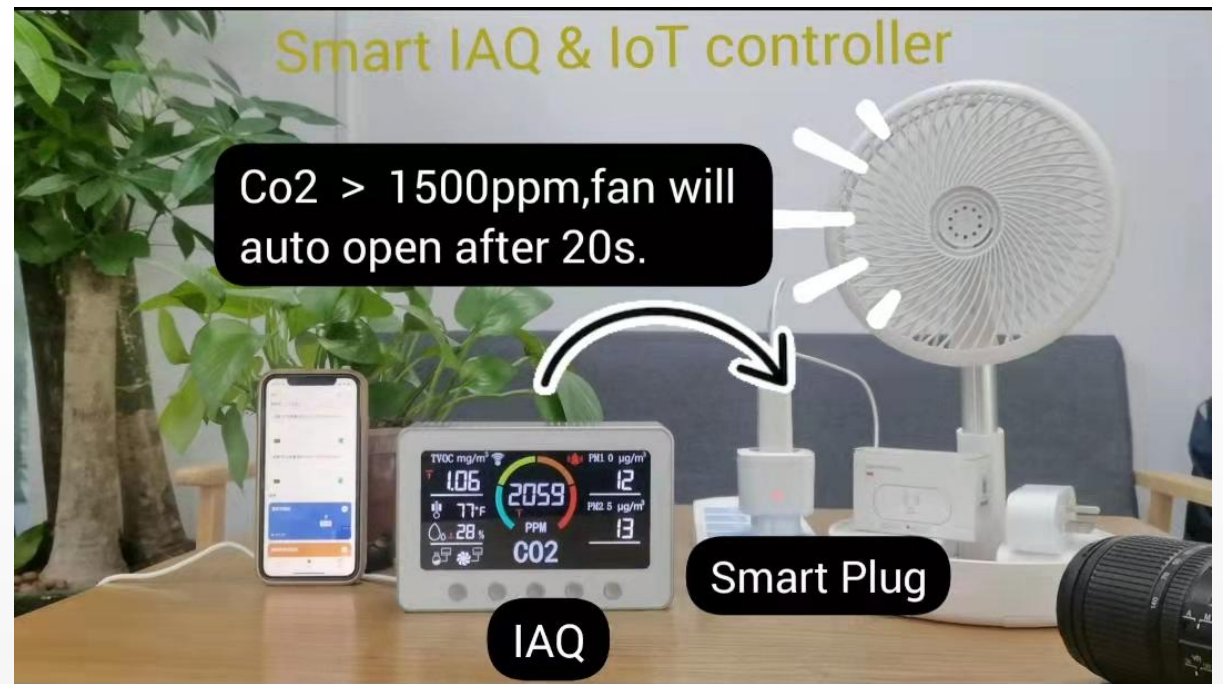


Smart Scene Reference

① When the CO2 reading is above the alarm threshold for 20 seconds, the Fan will automatically turn on by Smart Plug.

② When the CO2 reading is below the alarm-shutdown threshold for 10 seconds, the Fan will automatically turn off by Smart Plug.

(Both delay times mentioned above are the default setting. You can reset them based on your demand. Please refer to the next page)



How to set the delay time?

Setting

TVOC alarm threshold: 10.10mg/m³ | TVOC alarm shutdown Thre...: 3.00mg/m³

TVOC | CO2 | PM2.5 | PM1.0

TEMP alarm threshold: 38.0°C | TEMP alarm shutdown thre...: 30.0°C

Temperature | Humidity

Alarm Time · 20

1 | [Slider] | 60

Control open delay >

Control close delay >

Backlight | Unmute | Temp Convert

Factory Reset

Setting

TVOC alarm threshold: 10.10mg/m³ | TVOC alarm shutdown Thre...: 3.00mg/m³

TVOC | CO2 | PM2.5 | PM1.0

TEMP alarm threshold: 38.0°C | TEMP alarm shutdown thre...: 30.0°C

Temperature | Humidity

Choose the device control open delay time you want.

Alarm Time · 20

Control open delay

28

29

0 min 30 s

1 31

2 32

Cancel | Confirm

Setting

TVOC alarm threshold: 10.10mg/m³ | TVOC alarm shutdown Thre...: 3.00mg/m³

TVOC | CO2 | PM2.5 | PM1.0

TEMP alarm threshold: 38.0°C | TEMP alarm shutdown thre...: 30.0°C

Temperature | Humidity

Alarm Time · 20

1 | [Slider] | 60

Control open delay >

Control close delay >

Backlight | Unmute | Temp Convert

Factory Reset

Setting

TVOC alarm threshold: 10.10mg/m³ | TVOC alarm shutdown Thre...: 3.00mg/m³

TVOC | CO2 | PM2.5 | PM1.0

TEMP alarm threshold: 38.0°C | TEMP alarm shutdown thre...: 30.0°C

Temperature | Humidity

Choose the device control close delay time you want.

Alarm Time · 20

Control close delay

0 min 10 s

1 11

2 12

Cancel | Confirm